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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/938,447	08/24/2001	Martin Kiesel	2000 P 23302 US	2223
7470 7590 01/08/2007 WHITE & CASE LLP PATENT DEPARTMENT 1155 AVENUE OF THE AMERICAS NEW YORK, NY 10036			EXAMINER TRUONG, CAMQUY	
			ART UNIT 2195	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			MAIL DATE	DELIVERY MODE
3 MONTHS			01/08/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.		Applicant(s)	
	09/938,447		KIESEL ET AL.	
	Examiner		Art Unit	
	Camquy Truong		2195	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-20 are presented for examination.
2. It is noted that although the present application does contain line numbers in the specification and claims, the line numbers in the claims do not correspond to the preferred format. The preferred format is to number each line of every claim, with each claim beginning with line 1. For ease of reference by both the examiner and Applicant all future correspondence should include the recommended line numbering.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 3-8, 10-11, 13-14, 18 and 20 are rejected under 35 U.S.C. 102(e) as being unpatentable over Ahrens et al. (U.S. Patent 6,968,302 B1).

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4. As to claim 1, Ahrens teaches the invention substantially as claimed including: an apparatus for a control device for providing multimedia monitoring and control of a remote machine comprising:

a processor (computer 32, Fig. 2; col. 5, lines 3-6) for:

processing of control data and communication of said data from said remote machine (col. 5, lines 6-12; col.6, lines 11-13); and

processing of multimedia information regarding a monitored status of the remote machine (col. 5, lines 13-25; col. 8, lines 9-13); and

A multimedia connection coupled to said processors providing a multimedia transmission connection to the remote machine (the computer 32 connected to a video camera, col.4, lines 22-26), and transmitting said multimedia information regarding a monitored status of the remote machine (col. 4, lines 30-38; col. 8, lines 9-13).

5. As to claims 3 and 13, Ahrens teaches a visualization device that generates visualization information regarding the status of the remote machine (col. 4, lines 30-38; col. 8, lines 9-13).

6. As to claims 4 and 14, Ahrens teaches an augmented reality device that generates the multimedia information from one or more senses of a user in the vicinity of the remote machine (Fig. 2; col. 4, lines 30-38; col. 8, lines 9-13).

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7. As to claim 5, Ahrens teaches the multimedia connection is bi-directional (col. 3, lines 56-62; col. 8, lines 15-18).

8. As to claim 6, Ahrens teaches trace functionality transferred over the telecommunication link for real-time transmission of multimedia data connection (col. 8, lines 9-13).

9. As to claim 7, Ahrens teaches a data-processing device coupled remotely with said machine for controlling the processing of the multimedia information (Fig. 2; col. 1, line 63 – col. 2, line 10).

10. As to claims 8 and 18, Ahrens teaches data-processing device encompasses multiple data-processing units which have communication connections to one another and which each have a telecommunication connection for real-time transfer of multimedia information to the control device (Fig. 2; col. 4, line 13-38).

11. As to claims 10 and 20, Ahrens teaches the communication between the respective components is carried out over the internet (col. 4, lines 18-26).

12. As to claim 11, it is rejected for the same reason as claim 1. In addition, Ahrens teaches processing information generated by the monitored remote machine (col. 5, lines 6-12; col.6, lines 11-13);

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Generating multimedia information regarding a monitored status of the remote machine (col. 4, lines 27-38; col. 5, lines 13-25; col. 8, lines 9-13).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claims 2, 9, 12, 15-17 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ahrens et al. (U.S. Patent 6,968,302 B1) in view of Widegren et al (U.S. 6,374,112 B1).

14. As to claims 2, 9, 12, 15-16 and 19, Aiken does not explicitly teach the processor enables a UMTS connection. However, Widegren teaches the processor enables a UMTS connection (col.5, lines 29-31).

15. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the Ahrens and Widegren because Widegren's UMTS connection would increase the flexibility of Ahrens' system by

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providing a wide variety of mobile communications services and resources to support those services.

16. As to claim 17, Ahrens teaches remotely processing the multimedia information (col. 5, lines 13-25; col. 8, lines 9-13).

Conclusion

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Camquy Truong whose telephone number is (571) 272-3773. The examiner can normally be reached on 8AM – 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on 571-272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3756.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

Camquy Truong

December 12, 2006

MENG-AI AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100